

EMPOWERING STUDENT LEARNING THROUGH TECHNOLOGY INTEGRATION

PRESENTER: TERRI BARCLAY
2013 ASSESSMENT CONFERENCE



<http://bit.ly/Wr11NC>

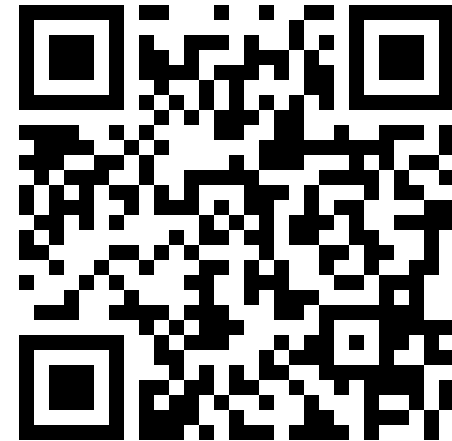


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HOUSE KEEPING

http://todaysmeet.com/msrp_feb <http://padlet.com/wall/lpqmc45m44>



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POLL EVERYWHERE

Please participate in a poll...

 Text a **CODE** to **37607**

 Submit a **CODE** to **<http://PollEv.com>**

37607



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http://www.polleverywhere.com/multiple_choice_polls/LTU1NzM2MTlwOQ



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PRESENTATION OBJECTIVES

- Provide practical strategies for integrating technology into teaching and learning in the classroom
- Present best practices in technology use in the classroom
- Offer ideas on how to create meaningful lessons infused with technology to improve learning for students



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IT'S *NOT* ABOUT THE TECHNOLOGY



Engagement



Self-directed
Learning



Creativity &
Innovation



Empowerment



Problem Solving &
Critical Thinking



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TECHNOLOGY & THE COMMON CORE STANDARDS

The College and Career Readiness standards that anchor the K-12 standards call for students to learn skills through technology and multimedia.



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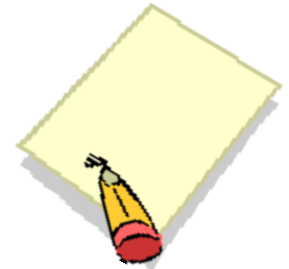
Mathematically proficient students should know which tools help them perform different tasks, according to the standards.

In English language arts, the standards call for students to use technology, including the Internet, to produce and publish writing, as well as to interact and collaborate with others. This includes writing blog posts and commenting on blogs.

Students should also be able to evaluate information presented in different media and formats, according to the standards. Along with evaluating information, they should be able to produce presentations with digital media.



DIGITAL CITIZENSHIP



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DIGITAL CITIZENSHIP DEFINED

The term digital citizenship refers to the need for adults and children to be responsible digital citizens through an understanding of the use, abuse, and misuse of technology as well as the norms of appropriate, responsible, and *ethical* behaviors related to online rights, roles, identity, safety, security, and communication.



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ETHICAL USE OF TECHNOLOGY

More than just Internet safety and *Stranger Danger*

Engaging in undesirable behavior, ranging from ***cyber-bullying of another***, to ***plagiarism***, to ***behaviors that can be harmful to them personally—both now and in the future.***



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THREE ASPECTS OF DIGITAL CITIZENSHIP

Respect yourself

Respect others

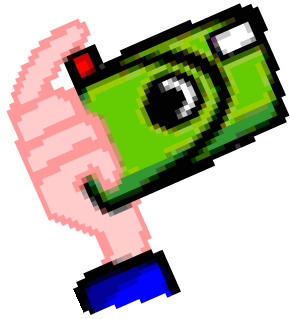
Respect outside limits (rules and laws)



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THE DIGITAL CLASSROOM



“As technology continues to *transform* daily life worldwide, teachers need to prepare children of *all ages* for the technology skills they will need as they participate in society.”

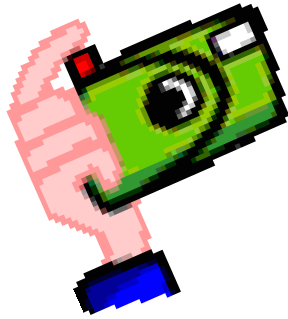


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THE DIGITAL CLASSROOM



Teachers in a digital classroom use various forms of technology to enrich their instruction for learning and have classrooms where students can...



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- **Go online to buy, check out, or view a book**
- **Present knowledge through creation of videos and podcasts**
- **Use their creativity to write their own digital books**
- **Bring inanimate objects to life through animation in an iPad application**



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Mitchell 2007

DIGITAL LITERACY...WHAT?

Comprised of Three Components:

1. Reading digital text

2. Writing digital text

**3. *Developing the technical skills
necessary to consume and produce
these texts***



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DIGITAL TEXT COMES IN MANY FORMS



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DIGITAL LITERACY AND THE MONTANA COMMON CORE STANDARDS...

**Simply putting a
computer/iPad/netbook in
the hands of a child will not
meet the digital literacy goals
of the Common Core
Standards.**



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CURRICULUM MAPPING: INFUSING TECHNOLOGY WITHIN

“Technology is NEVER to supplant; it is to supplement.”



Where does technology seamlessly fit in your curriculum?



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GOAL SETTING

Equipment?

Your skills?

Student skills?

Who will you
collaborate
with?



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GOALS?

Equipment	
Skills (self)	
Skills (students)	
Collaboration	



USING TECHNOLOGY TO SUPPORT LITERACY

In the age of multimedia, a new kind of storytelling has emerged...**Digital Storytelling.**

Digital storytelling takes the art of storytelling and adds elements of sound, video, and photo images to create a multi-dimensional tale that draws the reader into the story.

Digital storytelling is an excellent tool to encourage and motivate students to take their writing to the next level.



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DIGITAL STORYTELLING TOOLS

Word Processing

Word

Pages

Google Docs

Photo-Editing

iPhoto

Picassa

Picaboo

Drawing Programs

Kid Pix

TuxPaint

ArtRage



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USING PHOTOGRAPHS AND IMAGES TO INSPIRE & SUPPORT LEARNING



Facilitate conversations

- Develop emotional vocabulary
- Model desired behaviors



Recall learning experiences

- Develop schema
- Explore the local and global community



Learn and Inspire

- Learn about authors
- Share cultures



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RETHINKING PROJECTORS



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Jump-Start Inquiry

Photos

Dramatization

Pursue Inquiry Concepts

Video
Clips

Skype
an
expert

Documentation/Assessment

Capture student
thinking/
processes

Student Writing
Samples

USING AUDIO RECORDINGS TO CAPTURE POWERFUL MOMENTS



!

- Create messages for others
- Capture conversation



!!

- Listening options
- Support development of reading fluency



!!!

- Publish content-based podcasts
- Publish class books, dramatic readings



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AUDIO BOOK EXAMPLE

www.justonemorestory.com

Storynory

Ebook readers

Project Gutenberg

Montana Shared Library



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EXPANDING THE CLASSROOM WITH VIDEOCONFERENCING AND WEBCAMS

Connect

- With authors
- With scientists

Family Involvement

- Sharing work
- Culture

Assessment

- Comprehension and knowledge of book review, content area knowledge, etc...



SHARING KNOWLEDGE AND LEARNING THROUGH PUBLICATION AND PRESENTATION TOOLS

Video
Cameras

Microphones

Voice
Recorders

iMovie

Movie Maker

Garage Band

Audacity



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MULTI-TOUCH MOBILE DEVICES

**“Nobody will uninvent
the iPad.”**

Warren Buckleitner

Essential iPad Guide for Principals



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INNOVATION AND PROBLEM-SOLVING

www.Thefuntheory.com



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ALL THINGS IPAD

**"THERE'S AN APP FOR
THAT!"**



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APPS FOR DIGITAL READING AND WRITING



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QR CODES

<http://www.youtube.com/watch?v=JahjmjSULEg>



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Learning in Hand



TECHNOLOGY INTEGRATION

THE PURPOSE OF TECHNOLOGY IN THE CLASSROOM IS TO
EMPOWER STUDENT LEARNING



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TECHNOLOGY INTEGRATION MATRIX (TIM)

The TIM incorporates five interdependent characteristics of meaningful learning environments: active, constructive, goal directed (i.e., reflective), authentic, and collaborative (Jonassen, Howland, Moore, & Marra, 2003).



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TIM: FIVE LEVELS OF TECHNOLOGY

Entry

Adoption

Adaption

Infusion

Transformation



Levels of Technology Integration into the Curriculum

Characteristics of the Learning

Environment

	Entry	Adoption	Adaption	Infusion	Transformation
Active					
Collaborative					
Constructive					
Authentic					
Goal-Directed					



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A NEW WAY TO THINK OF BLOOM'S



<http://www.schrockguide.net/bloomin-apps.html>



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5 RECOMMENDED SITES TO EXPLORE

1. Wallwisher

2. Google

3. Diigo

4. Glogster

5. Creative Commons



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WALLWISHER

32 Interesting Ways* to use Wallwisher in the Classroom...and tips*

Let's give it a try

The word "wallwisher" is written in a thick, black, hand-drawn, cursive-style font. It is centered within a white rectangular box that has a thin black border. The background of the slide features a diagonal split between orange and blue, with a teal triangle at the bottom left.

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GOOGLE

Do you know the power of Google?

Do you know about Google Docs?

Do you have a Google account?

Explore!



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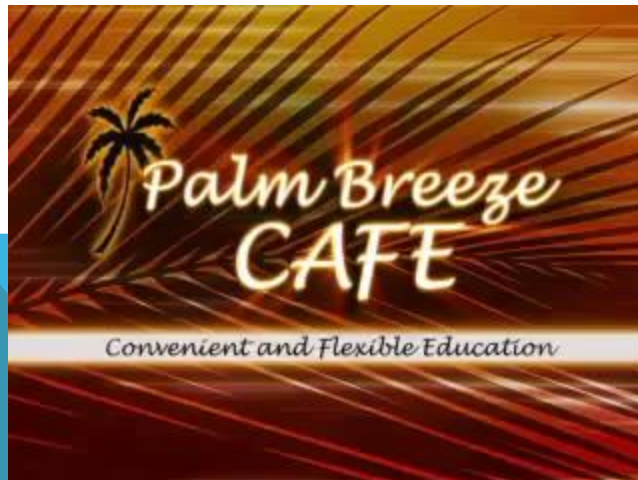


DIIGO

Not a word in a foreign language!

Social Bookmarking

Similar to Delicious

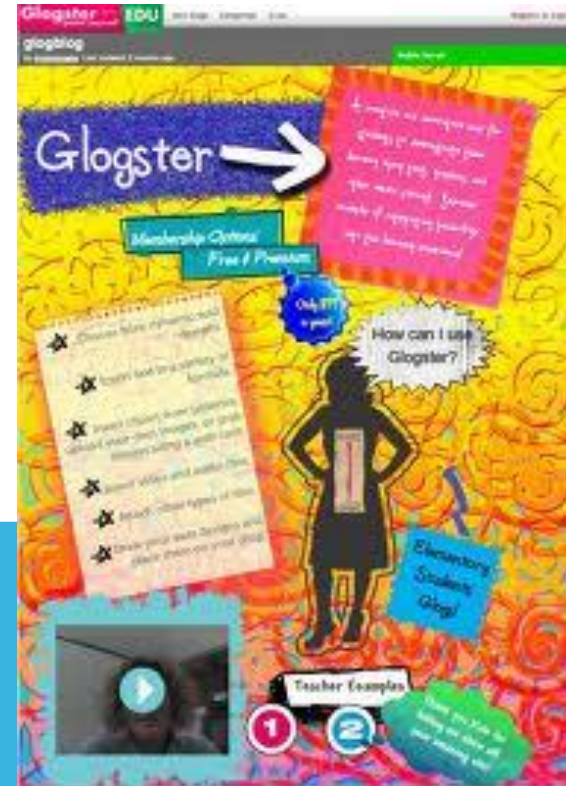


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GLOGSTER

A web 2.0 tool for creating digital posters



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MY FAVORITES!

Pinterest



Today'sMeet



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TAGXEDO



ANIMATE YOURSELF!

www.Buildyourwildself.com

www.clayyourself.com

www.goanimate.com/videomaker



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